

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071320\
 Data File : BG046026.D
 Acq On : 13 Jul 2020 17:16
 Operator : CG/JU
 Sample : L3259-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-2-DRUM

Quant Time: Jul 13 18:18:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:58:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	139498	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	579369	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	349540	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	699146	20.00	ng	0.00
76) Chrysene-d12	21.62	240	618816	20.00	ng	0.00
86) Perylene-d12	24.78	264	635880	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1081756	125.75	ng	0.00
7) Phenol-d6	7.17	99	1388304	112.10	ng	0.00
23) Nitrobenzene-d5	9.16	82	1152103	114.46	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	501381	154.55	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2076566	92.67	ng	0.00
79) Terphenyl-d14	19.98	244	2588122	93.08	ng	0.00

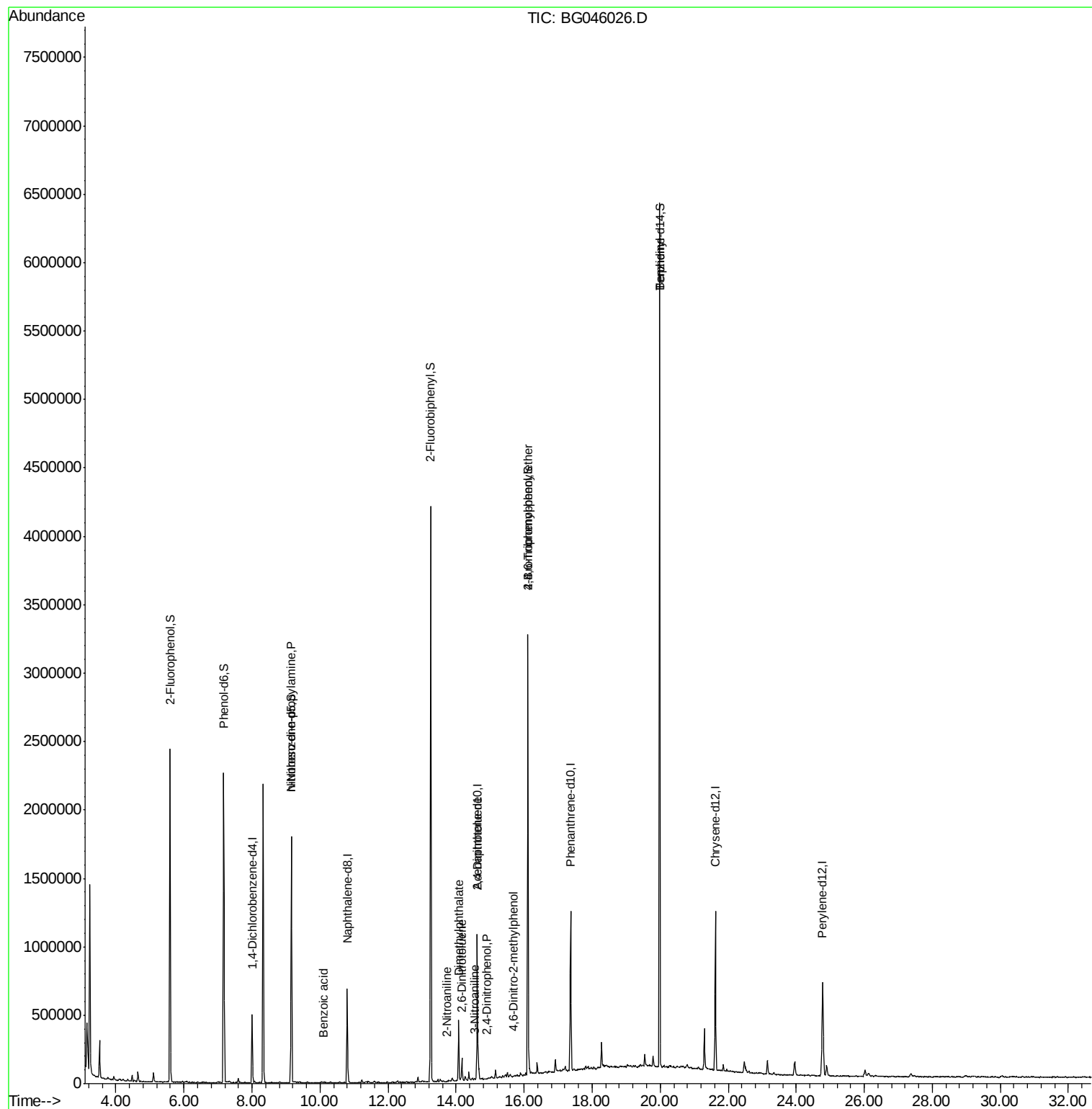
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	156737	18.015	ng	# 81
32) Benzoic acid	10.09	122	791	6.635	ng	# 73
48) 2-Nitroaniline	13.73	65	511	3.451	ng	# 7
50) Dimethylphthalate	14.08	163	280002	10.674	ng	97
51) 2,6-Dinitrotoluene	14.17	165	21322	7.542	ng	# 21
53) 3-Nitroaniline	14.54	138	90	2.998	ng	# 1
54) 2,4-Dinitrophenol	14.89	184	70	6.147	ng	# 79
57) 2,4-Dinitrotoluene	14.63	165	47794	11.247	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.67	198	133	6.838	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	35271	4.517	ng	# 1
77) Benzidine	19.98	184	58134	3.286	ng	# 92

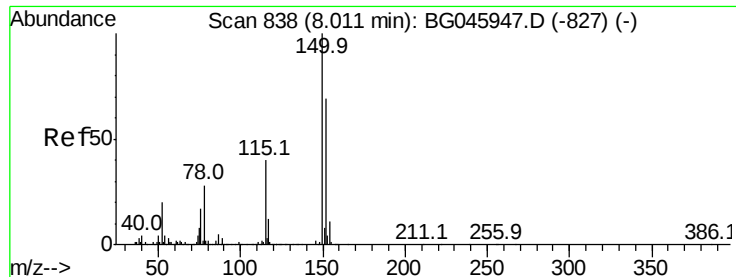
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071320\
Data File : BG046026.D
Acq On : 13 Jul 2020 17:16
Operator : CG/JU
Sample : L3259-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
T-2-DRUM

Quant Time: Jul 13 18:18:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 10:58:53 2020
Response via : Initial Calibration



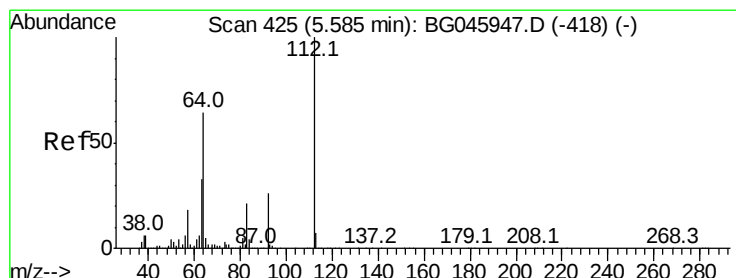
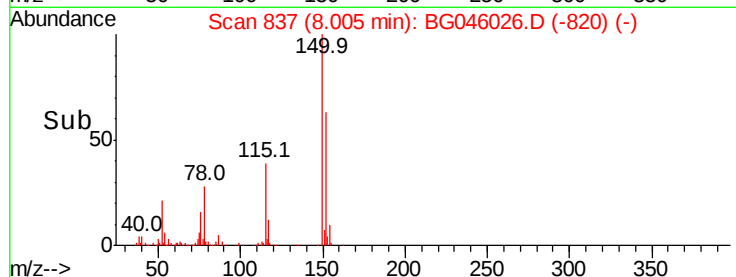
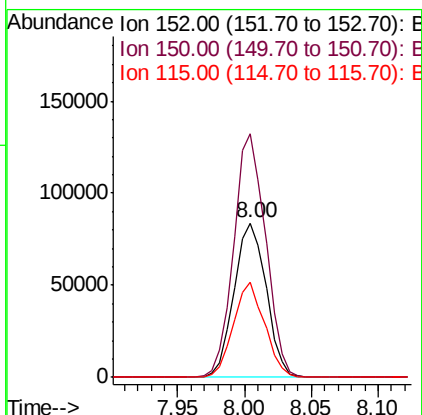
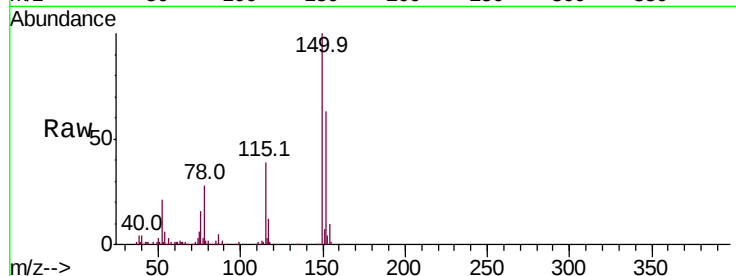


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG046026.D
Acq: 13 Jul 2020 17:16

Instrument :
BNA_G
ClientSampleId :
T-2-DRUM

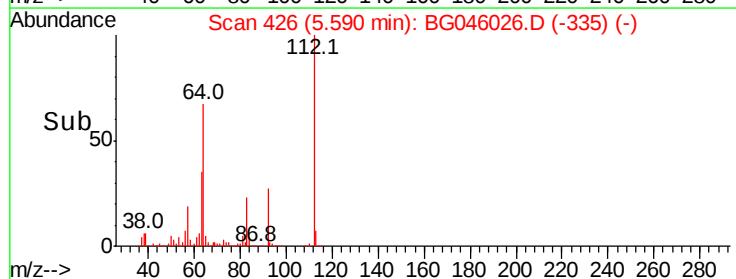
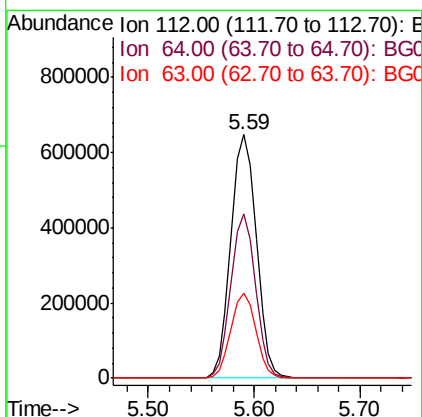
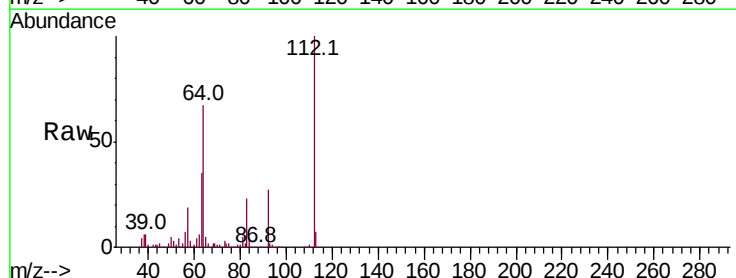
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	116.7	175.1
115	61.3	47.4	71.0

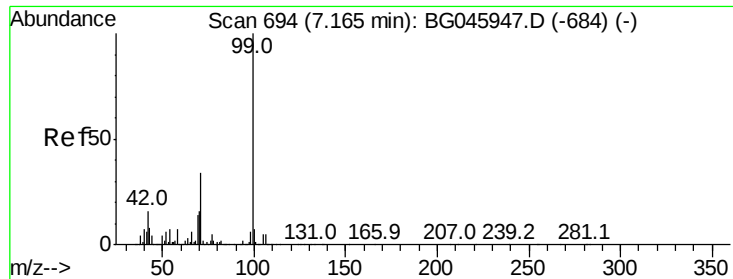


#5

2-Fluorophenol
Concen: 125.754 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046026.D
Acq: 13 Jul 2020 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	51.4	77.2
63	35.1	26.6	40.0





#7

Phenol-d6

Concen: 112.099 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Instrument :

BNA_G

ClientSampled :

T-2-DRUM

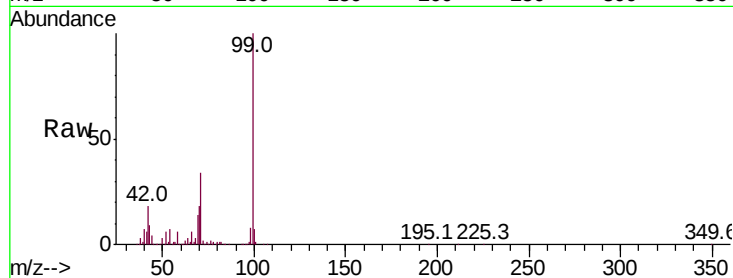
Tot Ion: 99 Resp: 1388304

Ion Ratio Lower Upper

99 100

42 17.5 13.0 19.4

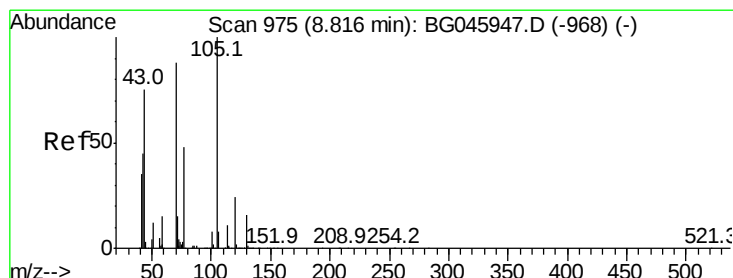
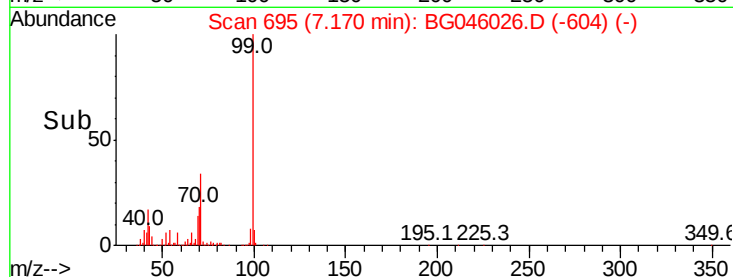
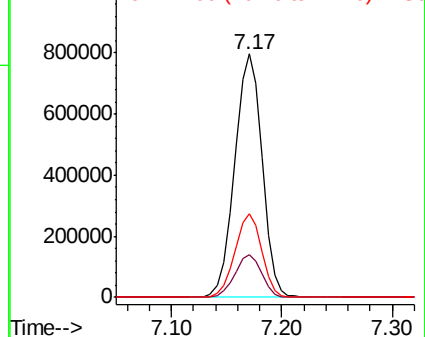
71 34.3 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.015 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Tgt Ion: 70 Resp: 156737

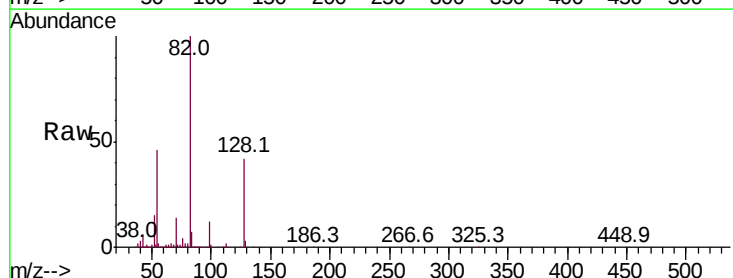
Ion Ratio Lower Upper

70 100

42 43.5 41.4 62.0

101 0.0 7.1 10.7#

130 2.2 14.9 22.3#

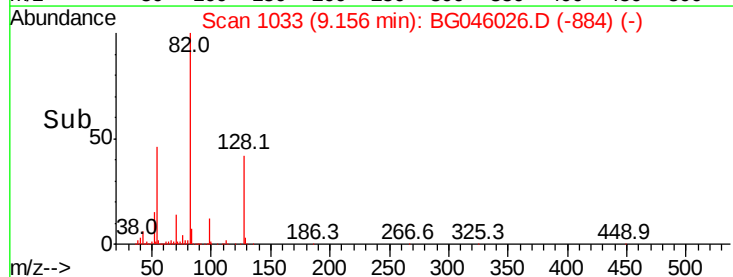
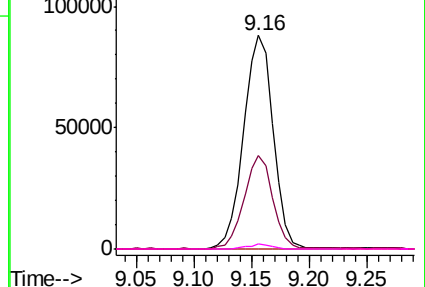


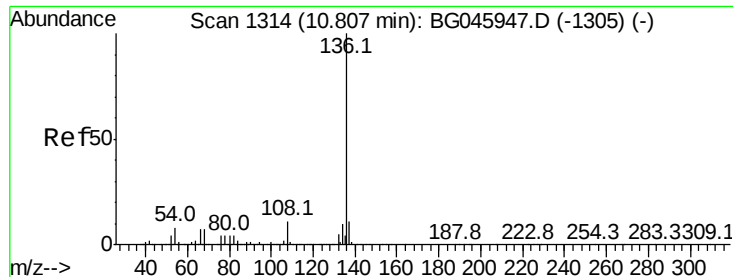
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Instrument :

BNA_G

ClientSampleId :

T-2-DRUM

Tot Ion:136 Resp: 579369

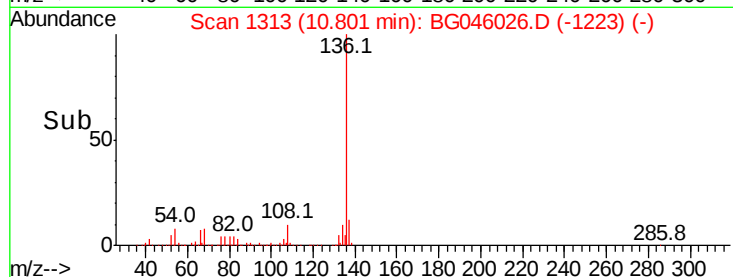
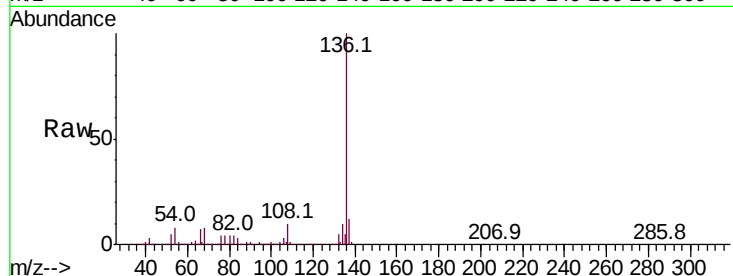
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 8.1 6.2 9.4

68 7.8 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->

10.80

300000

200000

100000

0

10.70

10.80

10.90

11.00

11.10

11.20

11.30

11.40

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

13.10

13.20

13.30

13.40

13.50

13.60

13.70

13.80

13.90

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

15.60

15.70

15.80

15.90

16.00

16.10

16.20

16.30

16.40

16.50

16.60

16.70

16.80

16.90

17.00

17.10

17.20

17.30

17.40

17.50

17.60

17.70

17.80

17.90

18.00

18.10

18.20

18.30

18.40

18.50

18.60

18.70

18.80

18.90

19.00

19.10

19.20

19.30

19.40

19.50

19.60

19.70

19.80

19.90

20.00

20.10

20.20

20.30

20.40

20.50

20.60

20.70

20.80

20.90

21.00

21.10

21.20

21.30

21.40

21.50

21.60

21.70

21.80

21.90

22.00

22.10

22.20

22.30

22.40

22.50

22.60

22.70

22.80

22.90

23.00

23.10

23.20

23.30

23.40

23.50

23.60

23.70

23.80

23.90

24.00

24.10

24.20

24.30

24.40

24.50

24.60

24.70

24.80

24.90

25.00

25.10

25.20

25.30

25.40

25.50

25.60

25.70

25.80

25.90

26.00

26.10

26.20

26.30

26.40

26.50

26.60

26.70

26.80

26.90

27.00

27.10

27.20

27.30

27.40

27.50

27.60

27.70

27.80

27.90

28.00

28.10

28.20

28.30

28.40

28.50

28.60

28.70

28.80

28.90

29.00

29.10

29.20

29.30

29.40

29.50

29.60

29.70

29.80

29.90

30.00

30.10

30.20

30.30

30.40

30.50

30.60

30.70

30.80

30.90

31.00

31.10

31.20

31.30

31.40

31.50

31.60

31.70

31.80

31.90

32.00

32.10

32.20

32.30

32.40

32.50

32.60

32.70

32.80

32.90

33.00

33.10

33.20

33.30

33.40

33.50

33.60

33.70

33.80

33.90

34.00

34.10

34.20

34.30

34.40

34.50

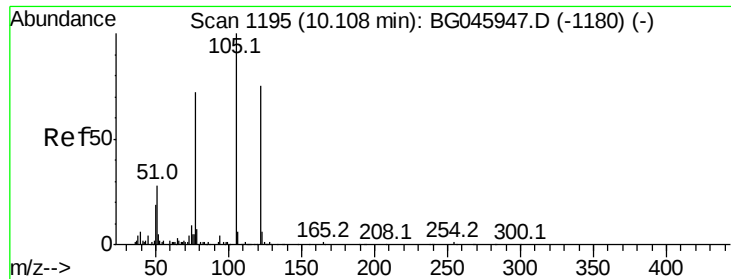
34.60

34.70

34.80

34.90

35.00



#32

Benzoic acid

Concen: 6.635 ng

RT: 10.09 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Instrument :

BNA_G

ClientSampleId :

T-2-DRUM

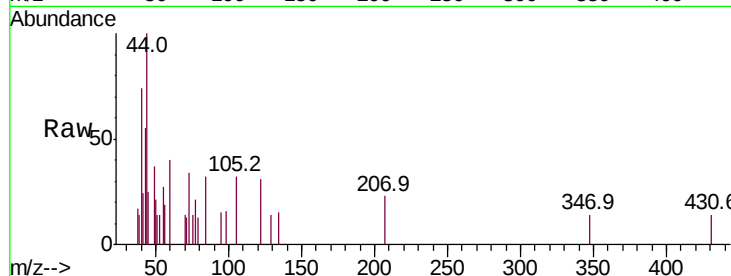
Tot Ion:122 Resp: 791

Ion Ratio Lower Upper

122 100

105 103.2 110.8 150.8#

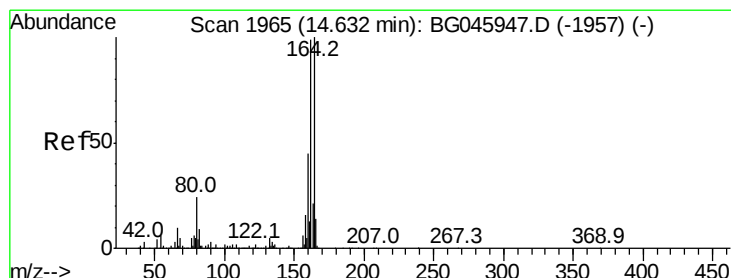
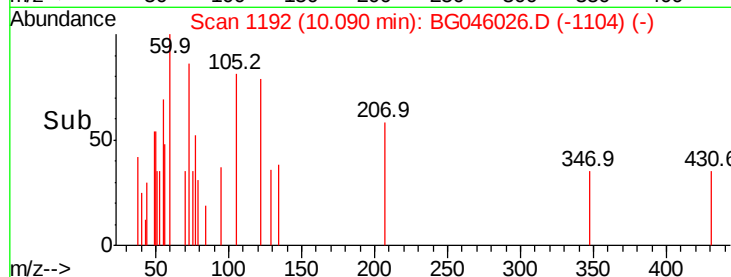
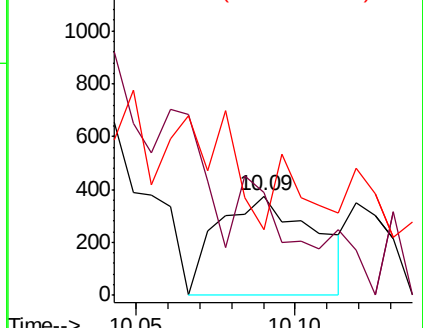
77 65.7 76.4 116.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

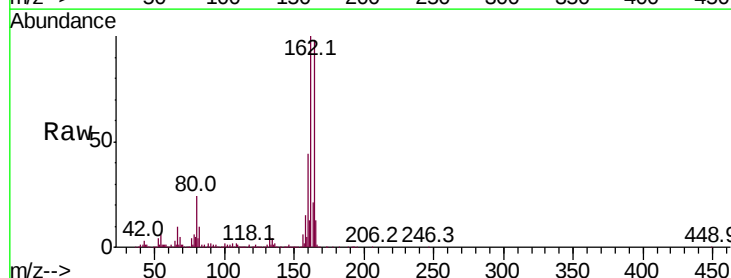
Tgt Ion:164 Resp: 349540

Ion Ratio Lower Upper

164 100

162 101.7 79.3 118.9

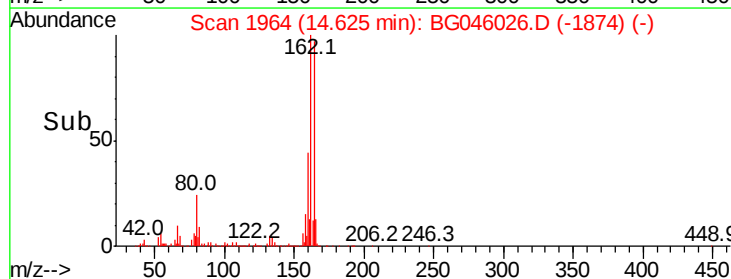
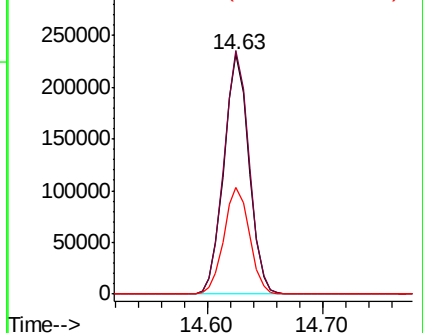
160 44.8 35.7 53.5

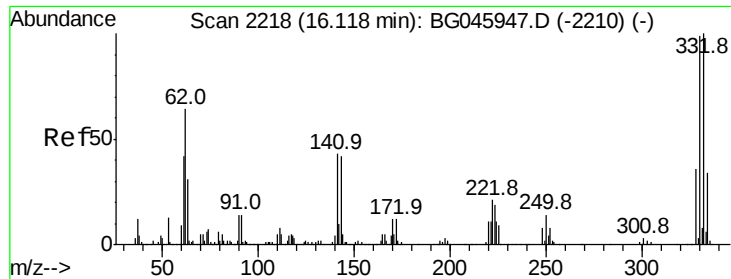


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

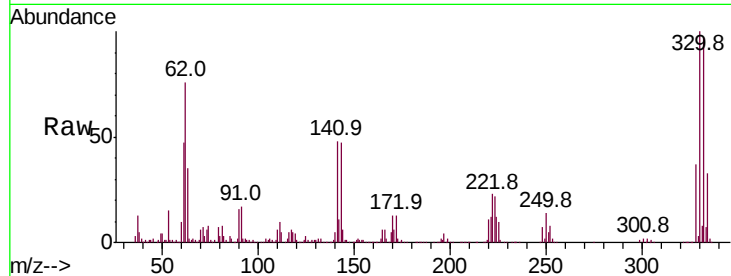




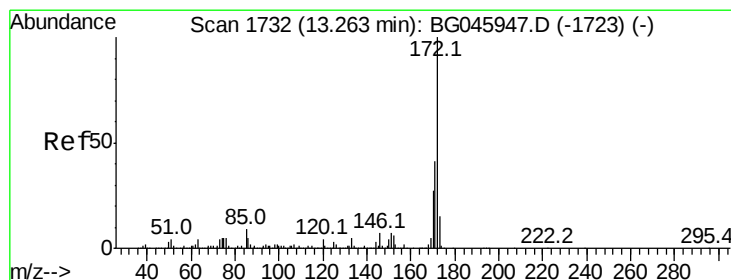
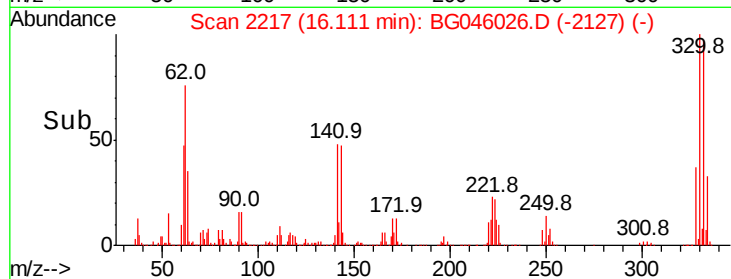
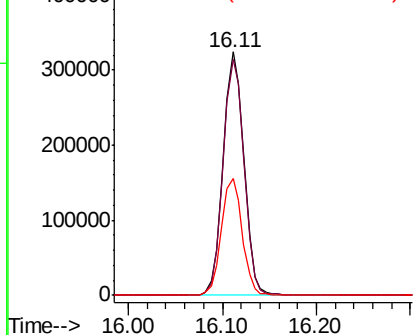
#42
 2,4,6-Tribromophenol
 Concen: 154.552 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG046026.D
 Acq: 13 Jul 2020 17:16

Instrument :
 BNA_G
 ClientSampleId :
 T-2-DRUM

Tot Ion:330 Resp: 501381
 Ion Ratio Lower Upper
 330 100
 332 98.1 78.3 117.5
 141 48.0 36.6 54.8

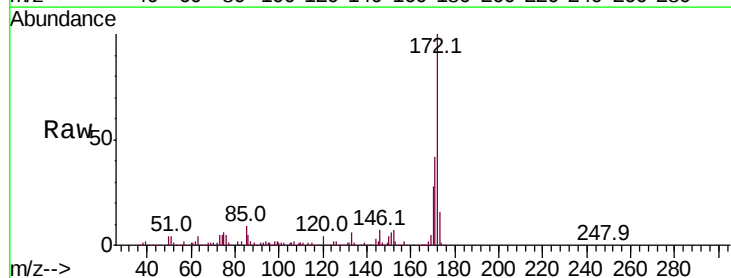


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

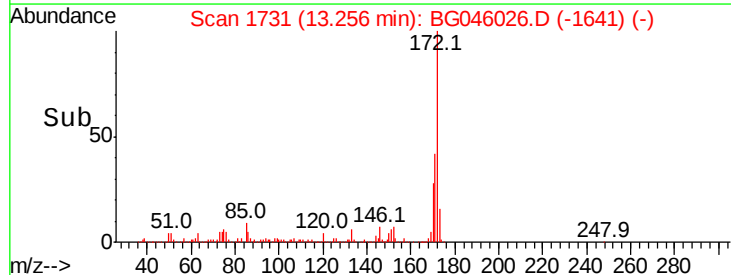
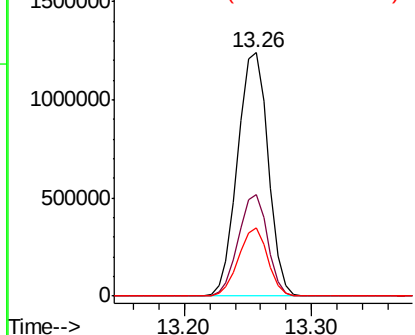


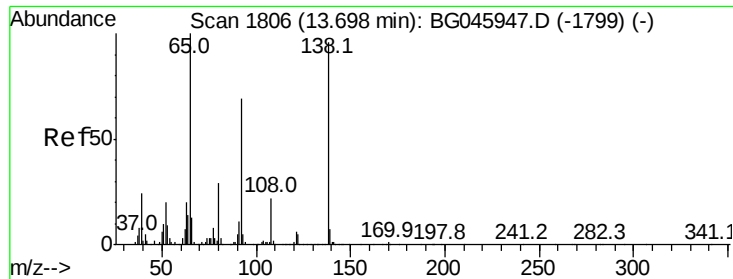
#45
 2-Fluorobiphenyl
 Concen: 92.667 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG046026.D
 Acq: 13 Jul 2020 17:16

Tgt Ion:172 Resp: 2076566
 Ion Ratio Lower Upper
 172 100
 171 41.8 32.9 49.3
 170 28.0 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

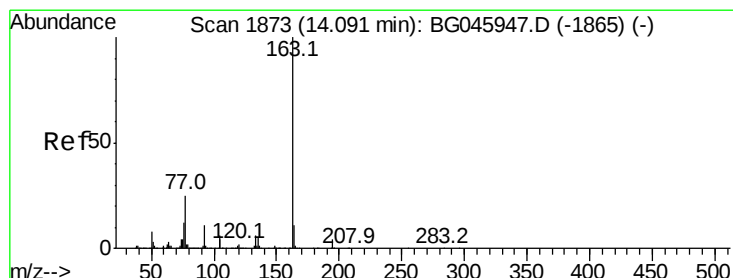
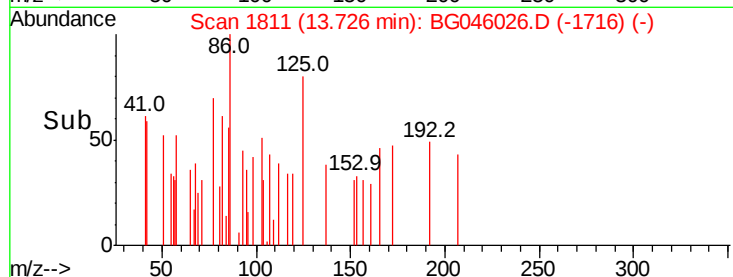
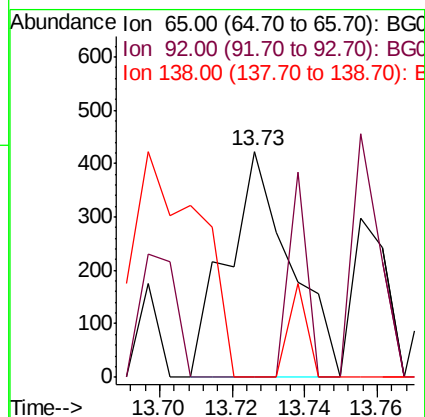
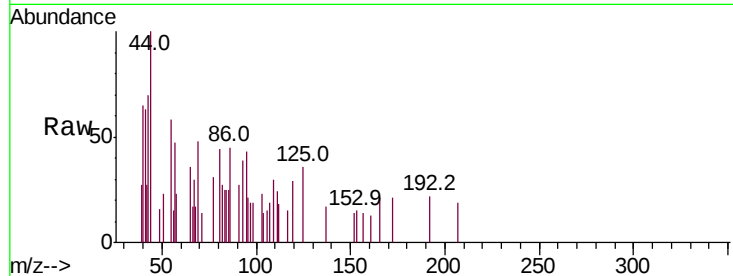




#48
2-Nitroaniline
Concen: 3.451 ng
RT: 13.73 min Scan# 1811
Delta R.T. 0.03 min
Lab File: BG046026.D
Acq: 13 Jul 2020 17:16

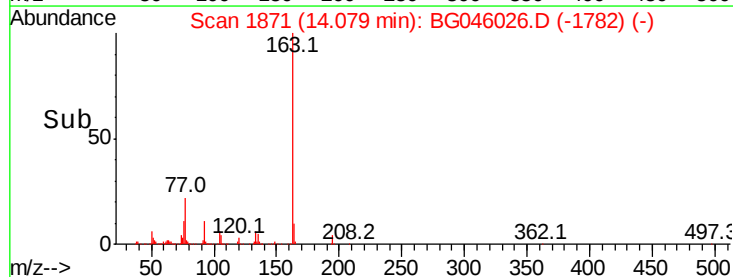
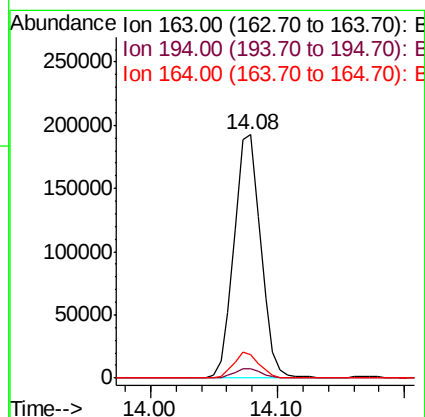
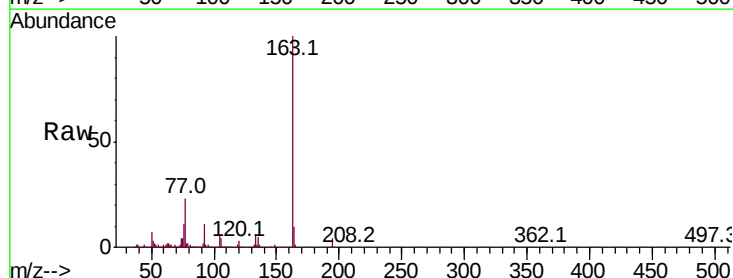
Instrument :
BNA_G
ClientSampleId :
T-2-DRUM

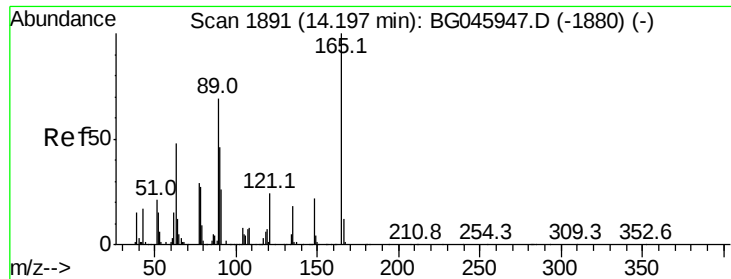
Tot Ion: 65 Resp: 511
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#50
Dimethylphthalate
Concen: 10.674 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG046026.D
Acq: 13 Jul 2020 17:16

Tgt Ion:163 Resp: 280002
Ion Ratio Lower Upper
163 100
194 3.8 3.6 5.4
164 9.8 8.9 13.3





#51

2,6-Dinitrotoluene

Concen: 7.542 ng

RT: 14.17 min Scan# 1887

Delta R.T. -0.02 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Instrument :

BNA_G

ClientSampleId :

T-2-DRUM

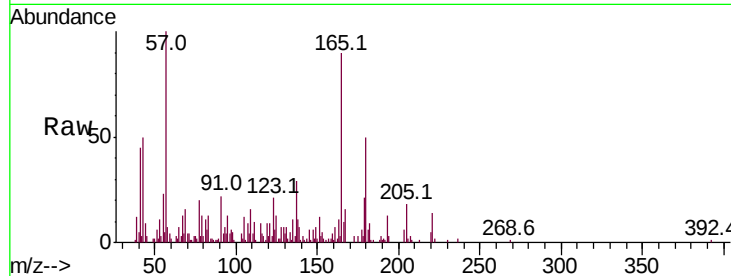
Tot Ion:165 Resp: 21322

Ion Ratio Lower Upper

165 100

63 3.1 51.0 76.4#

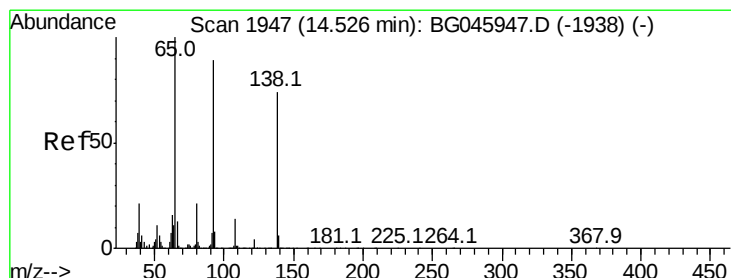
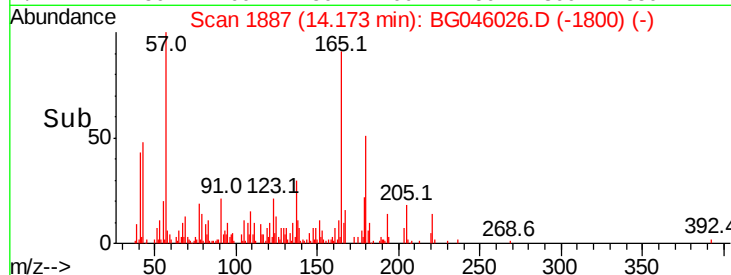
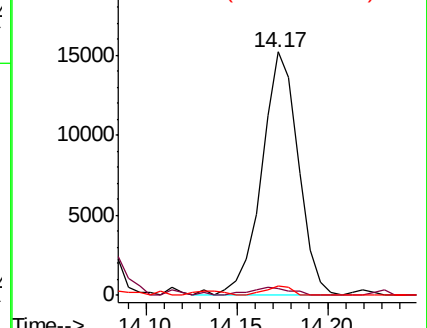
89 3.9 55.7 83.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#53

3-Nitroaniline

Concen: 2.998 ng

RT: 14.54 min Scan# 1950

Delta R.T. 0.02 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

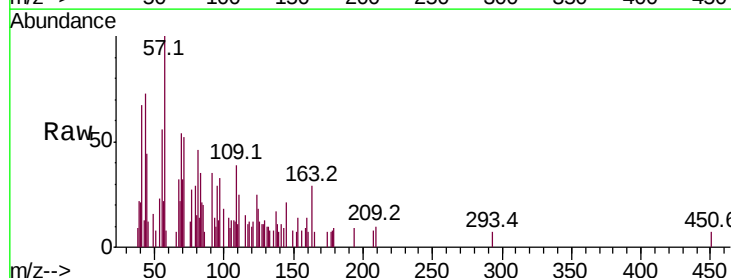
Tgt Ion:138 Resp: 90

Ion Ratio Lower Upper

138 100

108 112.9 15.4 23.2#

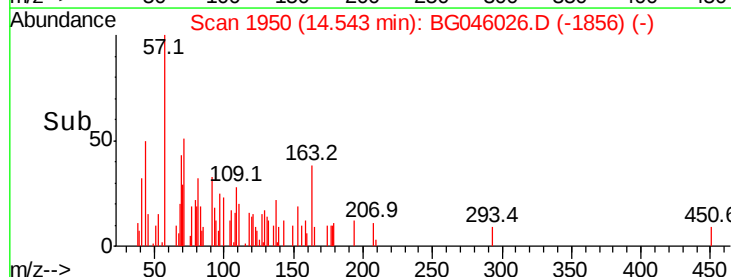
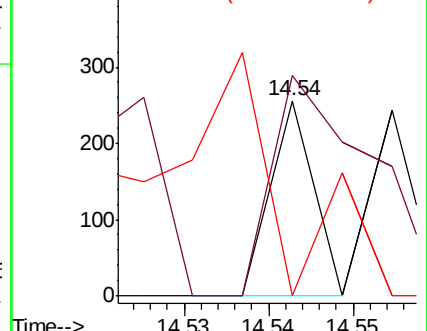
92 0.0 95.9 143.9#

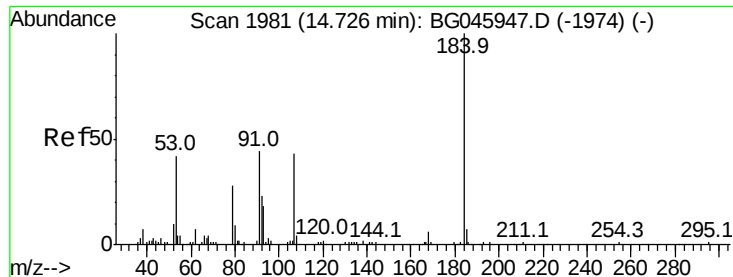


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

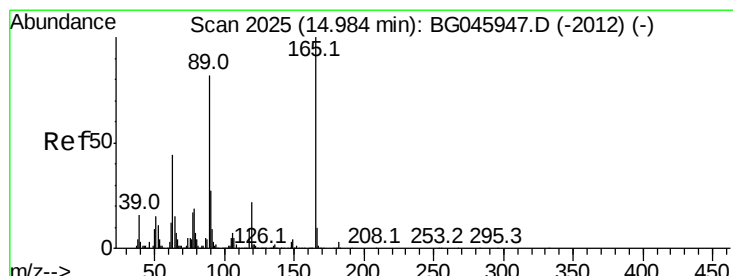
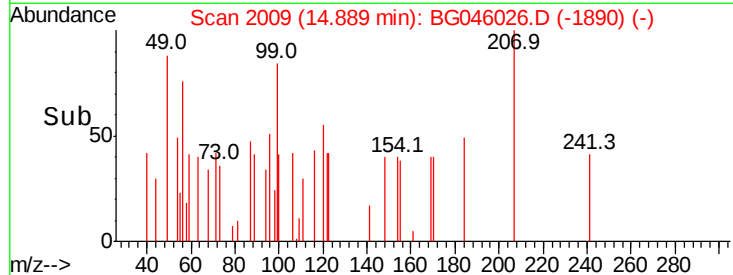
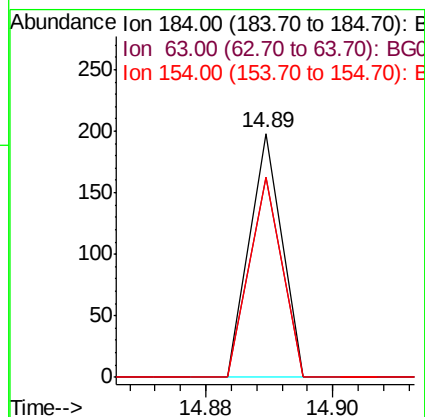
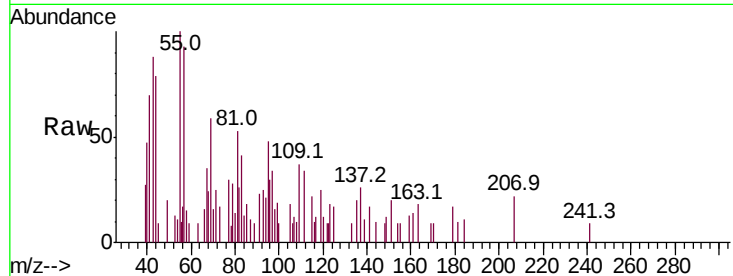




#54
 2,4-Dinitrophenol
 Concen: 6.147 ng
 RT: 14.89 min Scan# 2009
 Delta R.T. 0.17 min
 Lab File: BG046026.D
 Acq: 13 Jul 2020 17:16

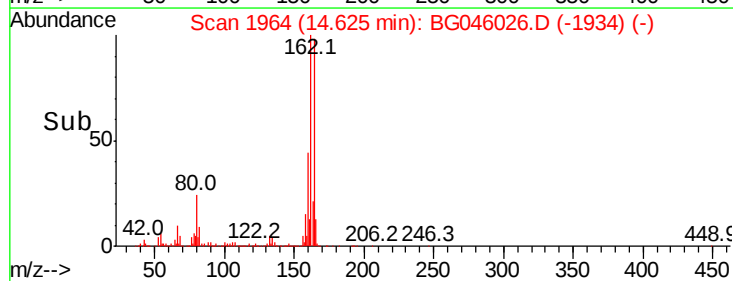
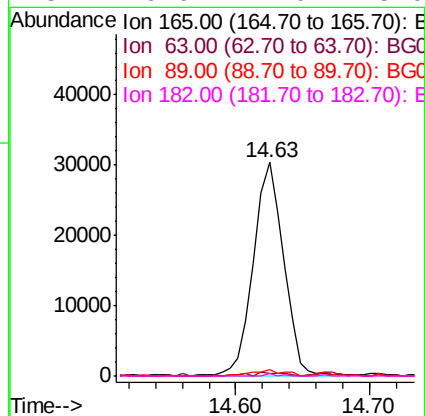
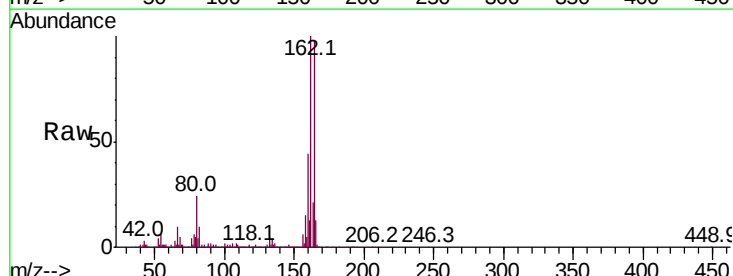
Instrument :
 BNA_G
 ClientSampleId :
 T-2-DRUM

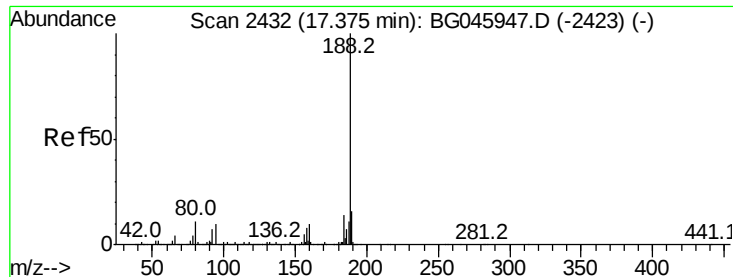
Tot Ion:184 Resp: 70
 Ion Ratio Lower Upper
 184 100
 63 82.3 46.0 69.0#
 154 82.3 58.2 87.2



#57
 2,4-Dinitrotoluene
 Concen: 11.247 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.35 min
 Lab File: BG046026.D
 Acq: 13 Jul 2020 17:16

Tgt Ion:165 Resp: 47794
 Ion Ratio Lower Upper
 165 100
 63 1.3 35.4 53.0#
 89 2.9 65.4 98.2#
 182 0.9 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.00 min

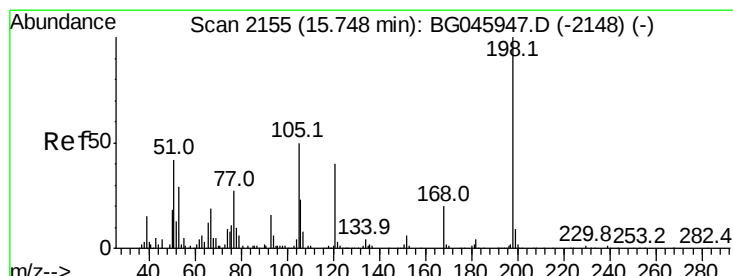
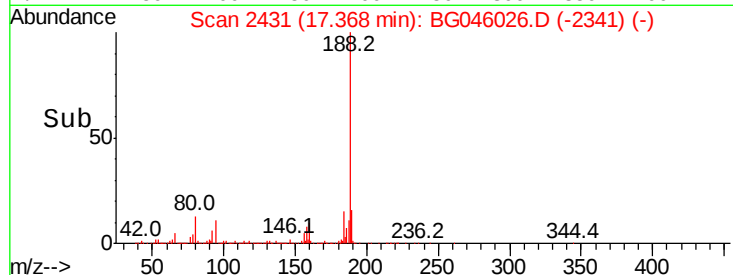
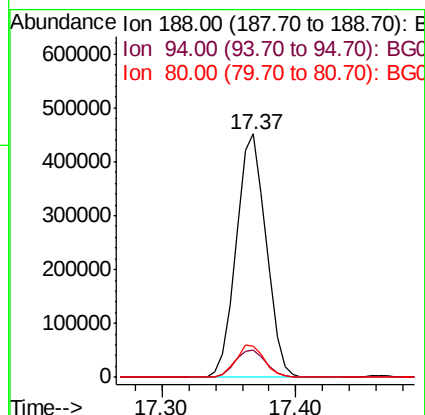
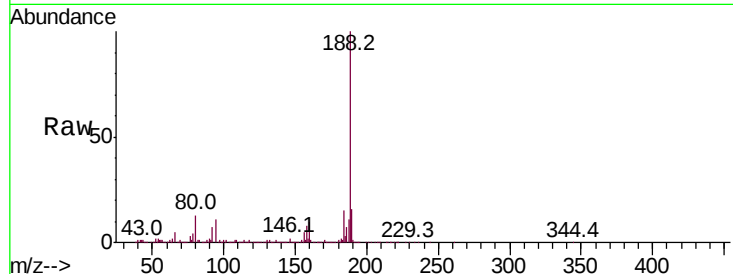
Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Instrument :
BNA_G
ClientSampleId :
T-2-DRUM

Tot Ion:188 Resp: 699146

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.2	12.4
80	12.8	9.0	13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 6.838 ng

RT: 15.67 min Scan# 2142

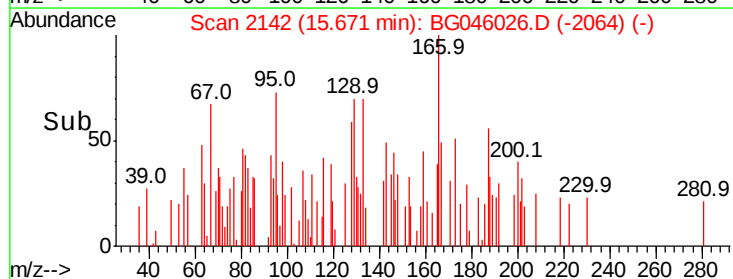
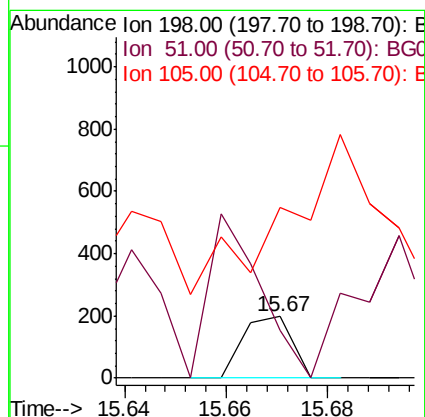
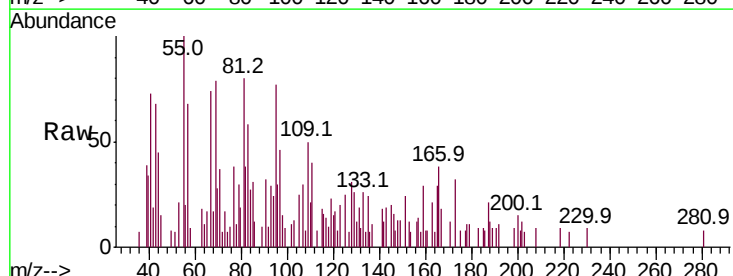
Delta R.T. -0.07 min

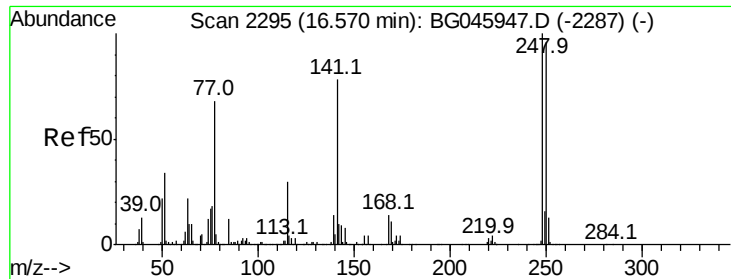
Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Tgt Ion:198 Resp: 133

Ion	Ratio	Lower	Upper
198	100		
51	77.8	24.5	64.5#
105	277.3	30.9	70.9#

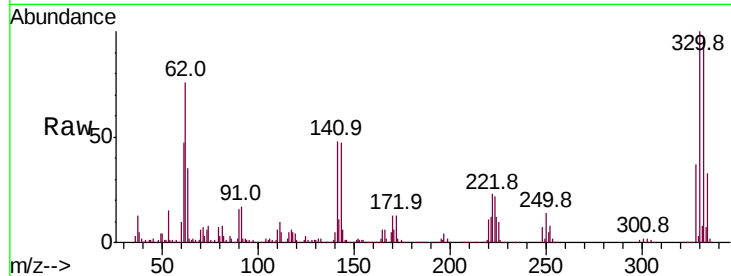




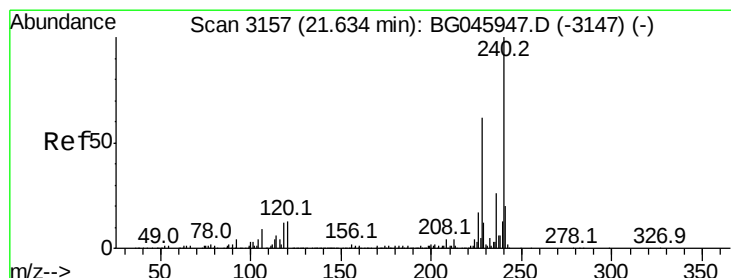
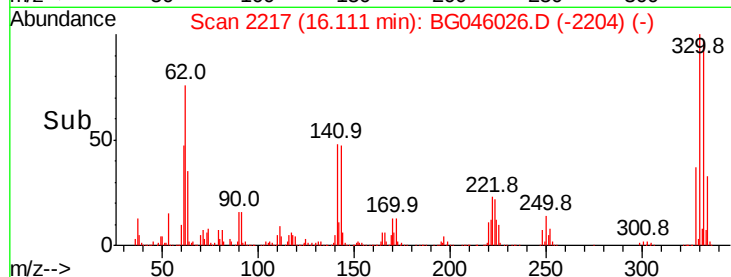
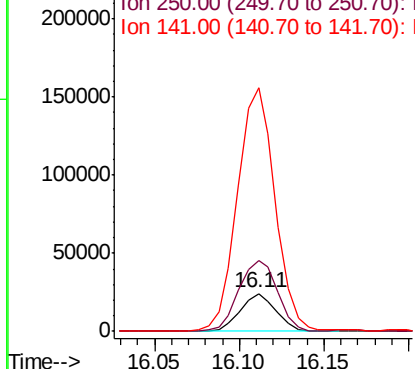
#67
 4-Bromophenyl-phenylether
 Concen: 4.517 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.45 min
 Lab File: BG046026.D
 Acq: 13 Jul 2020 17:16

Instrument :
 BNA_G
 ClientSampleId :
 T-2-DRUM

Tot Ion:248 Resp: 35271
 Ion Ratio Lower Upper
 248 100
 250 187.7 76.6 114.8#
 141 647.6 62.7 94.1#

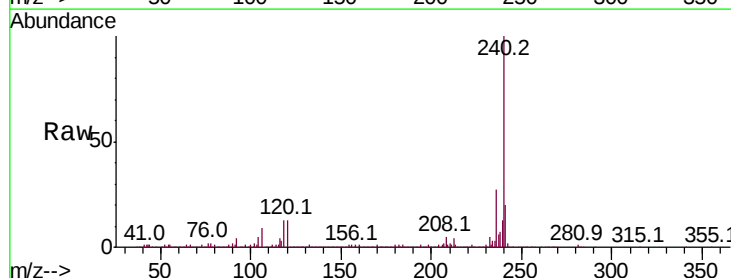


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

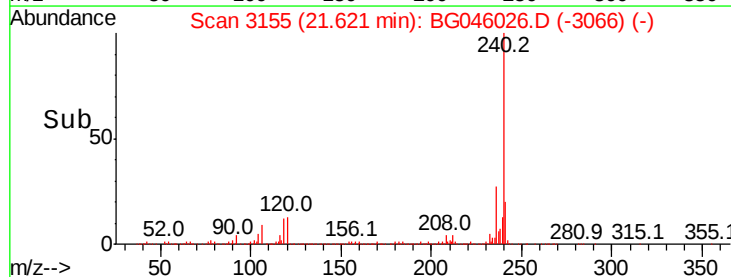
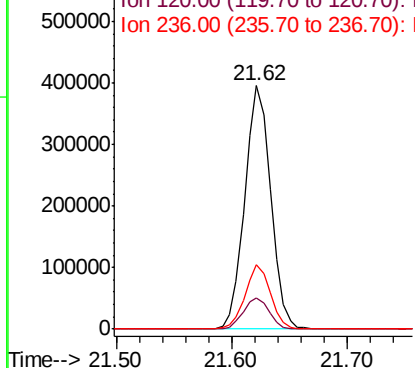


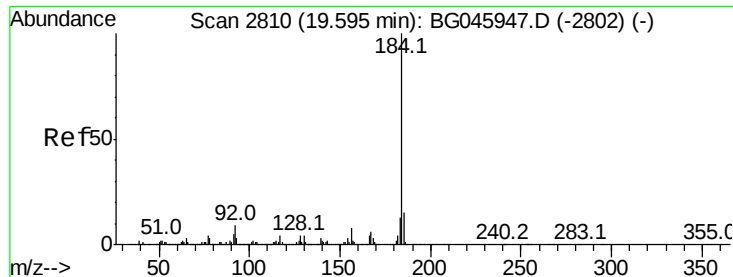
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.62 min Scan# 3155
 Delta R.T. -0.01 min
 Lab File: BG046026.D
 Acq: 13 Jul 2020 17:16

Tgt Ion:240 Resp: 618816
 Ion Ratio Lower Upper
 240 100
 120 12.7 10.6 16.0
 236 26.7 20.4 30.6



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.286 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

Instrument :

BNA_G

ClientSampled :

T-2-DRUM

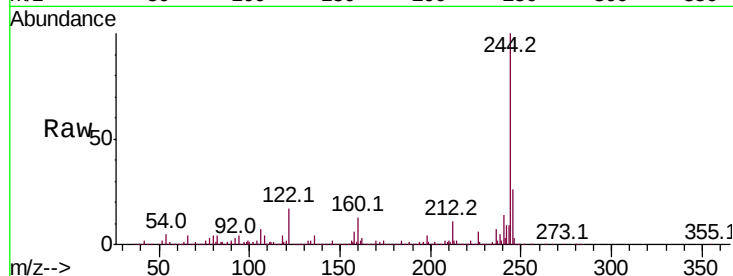
Tot Ion:184 Resp: 58134

Ion Ratio Lower Upper

184 100

185 16.5 11.6 17.4

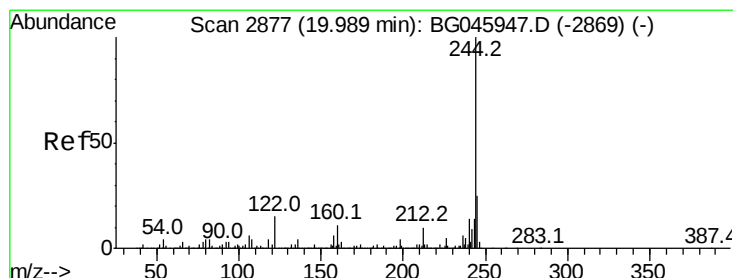
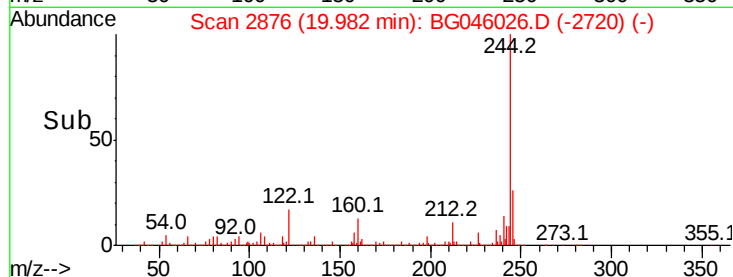
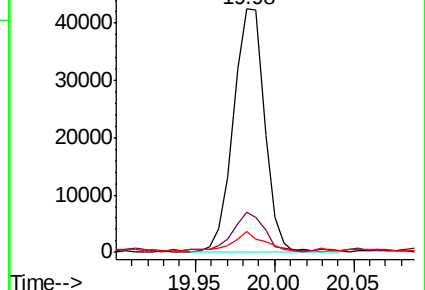
183 8.7 10.4 15.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 93.079 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046026.D

Acq: 13 Jul 2020 17:16

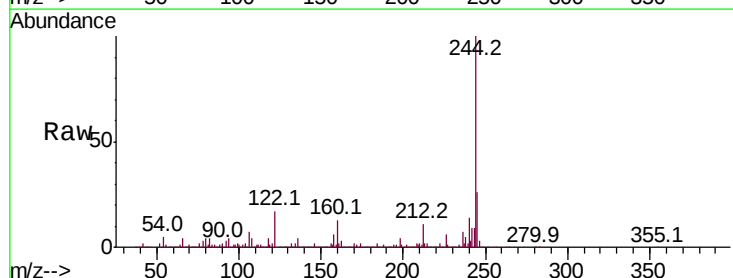
Tgt Ion:244 Resp: 2588122

Ion Ratio Lower Upper

244 100

212 10.7 8.3 12.5

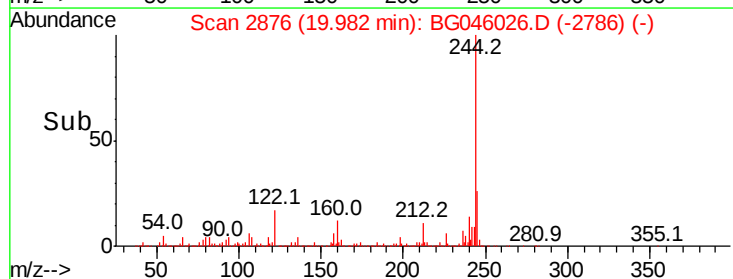
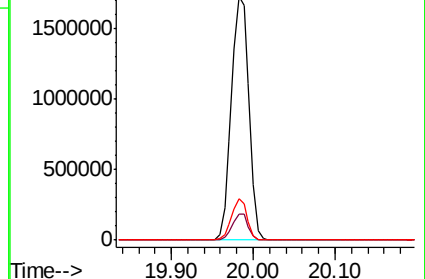
122 17.0 12.1 18.1

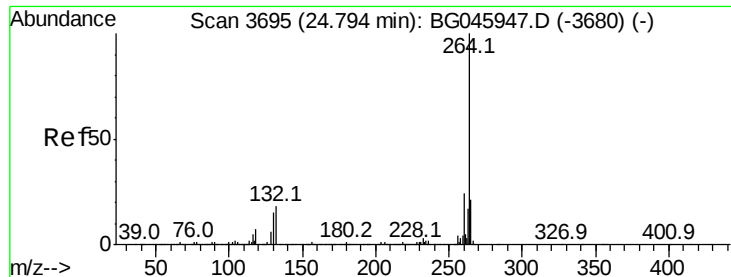


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG046026.D
Acq: 13 Jul 2020 17:16

Instrument :
BNA_G
ClientSampleId :
T-2-DRUM

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	24.5	16.9	25.3

